

A New *Engina* in Florida

BY

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(1 Plate)

FOR SOME TIME, a pale colored *Engina* has been identified by Florida collectors as merely a color form of *E. turbinella* (Kiener, 1835-36), which is easily recognized by its jet black ground color with a row of large white spots along the shoulder. More careful study of these two *Engina* forms, especially through the medium of good photographs showing details of sculpture, indicate that they represent two distinct species.

Specimens of the new species have been collected in limited numbers consistently over the years in the cleanings and washing from specimens of *Spondylus americanus* Hermann, 1781, which were collected from depths of 90 to 120 feet, beyond the reef, off Boynton Beach, Florida. It is possibly an offshore species that may come shoreward only for a limited period to spawn.

Engina corinnae Crovo, spec. nov.

(Figures 2, 3)

Description: Shell biconic, solid; spire and canal of nearly equal length; spire whorls about 5, topped by a small bulbous nucleus of 2 smooth whorls; subsutural zone a wide, deeply sunken, nearly smooth space, except for weak axial undulations across it; sculpture of 7 low axial riblets that are most strongly developed on the middle zone, forming a broad shoulder overridden by coarse spiral

corals, 2 on the spiral whorls, increasing to about 10 on the body whorl and across the base and canal. Color light tan, with 2 (rarely 3) lines of chocolate brown dashes between the axial riblets (details of sculpture and pattern shown in Figures 2 and 3). Base of pillar slightly perforate; operculum corneous, varying in color from tan to wine red.

The specific distinctions between *Engina corinnae* and *E. turbinella* are best illustrated by the figures. In the case of *E. corinnae*: its narrower, more elongate form; less angulate shoulders, more heavily sculptured with large axial riblets; a narrower aperture with a large, spreading parietal callus that is more strongly denticulate on both sides.

Holotype: Length 13 mm; diameter 8½ mm; MCZ no. 277496.

Paratypes: Length 12 mm; diameter 8 mm; PRI no. 28273. Other paratypes MCZ no. 277497.

Type Locality: Off Boynton Beach, Palm Beach County, Florida; 30°00' N, 79°57'30" W.

The species is named for Corinne E. Edwards in recognition of her achievements as an ardent collector of marine life as well as an educator in popular subjects on natural history.

